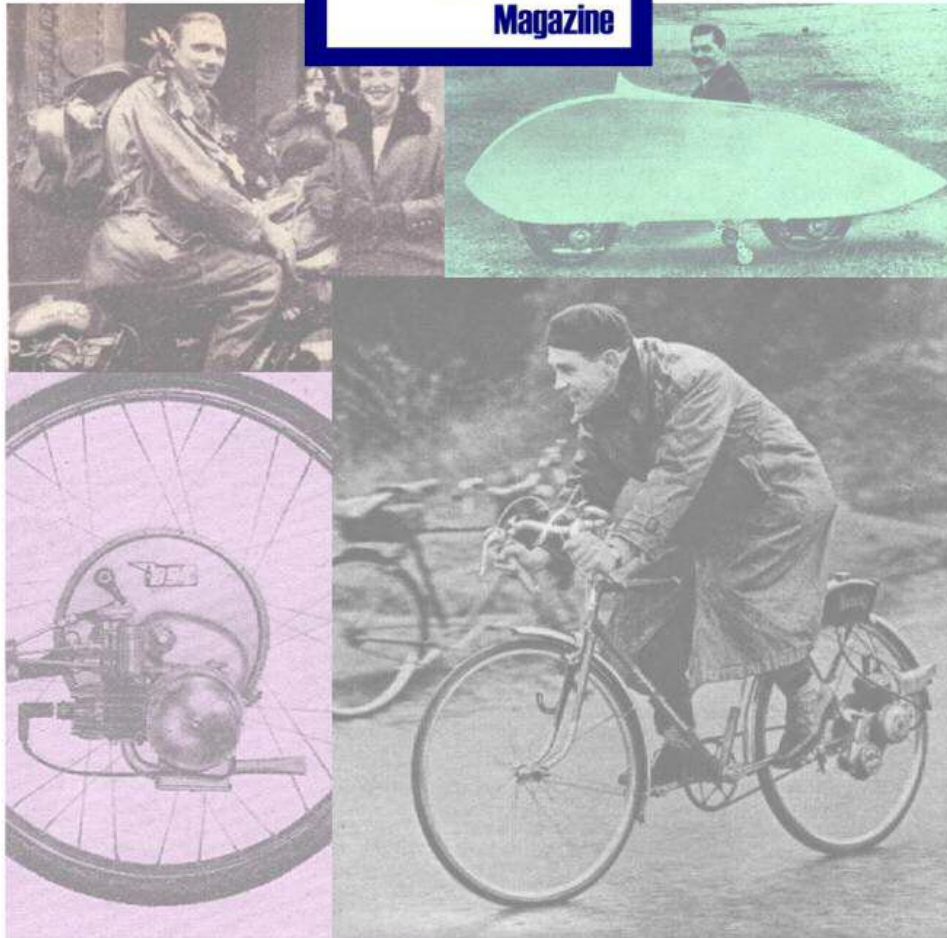
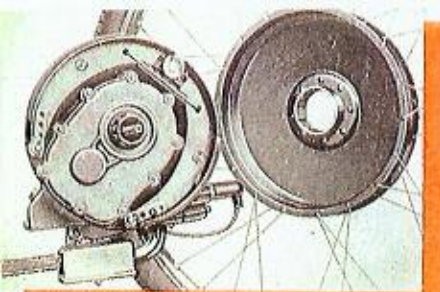


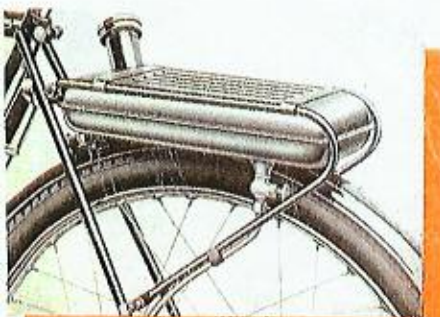
# IceniCAM Information Service





#### Generous Braking Surface.

An outstanding feature of the B.S.A. Winged Wheel is the 9½" dia. internal expanding brake, an integral part of the design. Operating on the same principle as a motor cycle brake, this feature ensures that smooth, positive stopping power so vital to the rider's safety.



#### Petrol Tank and Carrier.

The neat petrol tank which is mounted in a light tubular carrier for attachment to the chainstays, has a capacity of a little over ½ gallon, enabling the rider to refill with ½ gallon of petrol, plus oil, while there still remains sufficient fuel in the tank for several miles travelling. Combined with the filler cap is a measure which enables the owner to add the correct quantity of oil to the petrol.



#### 3-Plate Clutch.

The clutch fitted to the B.S.A. Winged Wheel is of unusually sturdy design and operates under ideal conditions. Having three friction plates, it has been designed for long life, with the minimum of maintenance.

**ENGINE.** Single cylinder two-stroke; 36 mm. bore x 34 mm. stroke; 35 c.c.; deflectorless piston head with twin transfer ports giving efficient scavenging; aluminium alloy piston; roller bearing big-end; detachable aluminium alloy cylinder head; Amal carburettor incorporating air cleaner and automatic strangler; mainshaft on roller bearings with spring-loaded crankcase compression seals; combined flywheel magneto and dynamo; petrol lubrication; efficient detachable silencer.

**TRANSMISSION.** Built in unit construction with the engine, comprising gear drive to rear wheel with two stage reduction; first stage, from engine shaft to clutch mounted on separate shaft; second stage, from clutch shaft to gear pinion on wheel hub. Three-plate cork clutch running in oil. Entire transmission including pinion on rear wheel totally enclosed within the

transmission case, and copiously lubricated by splash. Gear ratio 18.7 to 1.

**BRAKE.** Internal-expanding motor cycle type. Diameter 9½ in., thus providing an ample margin of stopping power at all speeds and under all conditions.

**CONTROLS.** Three handlebar levers with cables for carburettor throttle, clutch and brake. Amal twist-grip throttle control 5/- extra.

**EQUIPMENT.** Dunlop Carrier tyre 26 in. x 1½ in.; Wico-Pacy flywheel ignition and lighting; petrol tank ½ gallon capacity, incorporated in parcel carrier for attachment to backstays. Free wheel for pedalling gear is of the silent and frictionless Eadie Coaster type, built into the hub shell.

**FINISH.** Gunmetal grey and aluminium.

**WEIGHT.** Weight of complete unit including tyre: 27 lbs.

ON LATER MODELS MILLER ELECTRICAL EQUIPMENT IS FITTED.

B.S.A. CYCLES LTD., BIRMINGHAM, 10

B.S.A. Cycles Limited reserve the right to alter designs or any constructional details of their manufactures at any time without giving notice.

WWW136-30-50-10-50

Printed in England. Feb. 1955.

# It's free-wheel cycling



when you ride a

# BSA

Winged Wheel

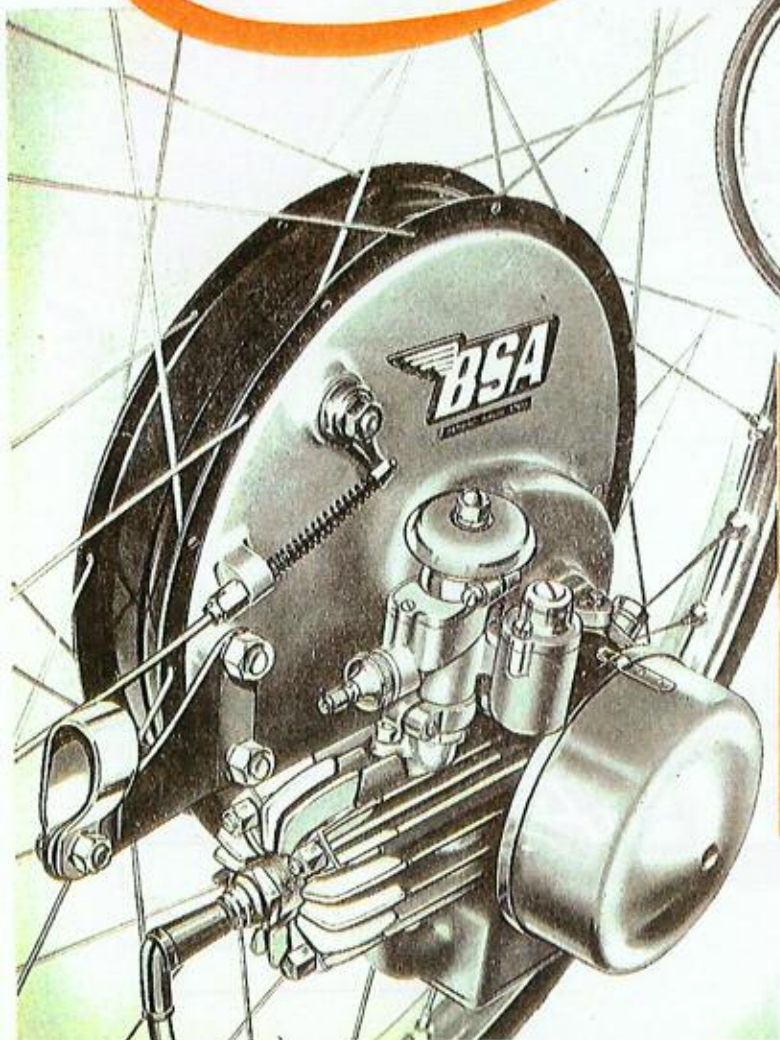
# Today's most simple + Economical power transport

PRICE

**£31. 4s. 2d.**

including tax, excluding fitting charge

Includes wheel and tyre complete,  
½ gallon petrol tank and fittings



- ★ CAN BE FITTED TO ANY STANDARD BICYCLE
- ★ IS SAFE AND EASY TO RIDE EVEN FOR THE COMPLETE NOVICE.
- ★ REQUIRES NO REAL MECHANICAL KNOWLEDGE TO RUN OR MAINTAIN.
- ★ IS A SELF-CONTAINED UNIT COMPRISING ENGINE, GEAR-DRIVE, BRAKE AND LIGHTING GENERATOR.
- ★ EMBODIES RATCHET CONTROL ON CLUTCH LEVER FOR RETAINING CLUTCH IN "FREE WHEEL" POSITION.
- ★ HAS CHOKE CONTROL AND THROTTLE IN ONE UNIT.
- ★ IS ROBUST IN CONSTRUCTION YET LIGHT IN WEIGHT—ONLY 27 lbs.
- ★ PROVIDES EASILY THE MOST ECONOMICAL AND RELIABLE MEANS OF POWERED TRANSPORT.

**BSA**

*Winged Wheel*